Matthew Z Bellus

List of Publications by Year
in descending order

18	2,060	430874	839539
papers	citations	h-index	g-index

18	18	18	3741
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controlling exciton transport in monolayer MoSe₂ by dielectric screening. Nanoscale Horizons, 2020, 5, 139-143.	8.0	19
2	Efficient hole transfer from monolayer WS₂ to ultrathin amorphous black phosphorus. Nanoscale Horizons, 2019, 4, 236-242.	8.0	23
3	Photocarrier dynamics in monolayer phosphorene and bulk black phosphorus. Nanoscale, 2018, 10, 11307-11313.	5.6	29
4	A type-I van der Waals heterobilayer of WSe₂/MoTe₂. Nanotechnology, 2018, 29, 335203.	2.6	24
5	Photocarrier Transfer across Monolayer MoS₂â€“MoSe₂ Lateral Heterojunctions. ACS Nano, 2018, 12, 7086-7092.	14.6	25
6	Amorphous two-dimensional black phosphorus with exceptional photocarrier transport properties. 2D Materials, 2017, 4, 025063.	4.4	18
7	Ultrafast charge transfer between MoTe ₂ and MoS ₂ monolayers. 2D Materials, 2017, 4, 015033.	4.4	39
8	Type-I van der Waals heterostructure formed by MoS₂ and ReS₂ monolayers. Nanoscale Horizons, 2017, 2, 31-36.	8.0	179
9	Exciton formation in monolayer transition metal dichalcogenides. Nanoscale, 2016, 8, 11681-11688.	5.6	149
10	Time-Resolved Measurements of Photocarrier Dynamics in TiS₃ Nanoribbons. ACS Applied Materials & Interfaces, 2016, 8, 18334-18338.	8.0	35
11	Transient Absorption Measurements on Anisotropic Monolayer ReS₂. Small, 2015, 11, 5565-5571.	10.0	91
12	Exceptional and Anisotropic Transport Properties of Photocarriers in Black Phosphorus. ACS Nano, 2015, 9, 6436-6442.	14.6	172
13	Full-range electrical characteristics of WS2 transistors. Applied Physics Letters, 2015, 106, .	3.3	50
14	Tightly Bound Trions in Transition Metal Dichalcogenide Heterostructures. ACS Nano, 2015, 9, 6459-6464.	14.6	103
15	Probing charge transfer excitons in a MoSe₂â€“WS₂ van der Waals heterostructure. Nanoscale, 2015, 7, 17523-17528.	5.6	89
16	Electron transfer and coupling in grapheneâ€“tungsten disulfide van der Waals heterostructures. Nature Communications, 2014, 5, 5622.	12.8	215
17	Ultrafast Charge Separation and Indirect Exciton Formation in a MoS₂â€“MoSe₂ van der Waals Heterostructure. ACS Nano, 2014, 8, 12717-12724.	14.6	585
18	Ultrafast and spatially resolved studies of charge carriers in atomically thin molybdenum disulfide. Physical Review B, 2012, 86, .	3.2	215